

Transmitters of Infectious Diseases of the Family

"BYU LIBRARY
BYU LIBRARY
VOL LVI, NO 3, PP 42-51

Byull. Russ. Akad. Nauk, No 3, pp 42-7; 1951
on *Neoliponyxus saurarum* Ewing,
O. variabilis sp.
Details inf on *Neoliponyxus saurarum* O. variabilis which, accord-
ing to Zemskaya, acquire increasing interest as
Ophionyxus and other Dermaphysidae interest
now. (1950) 18668
ing to Zemskaya, May/Jun 51

USSR/Medicine - Transm. Diseases (cont.)

186168

5

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420010-4

ZEMSKAYA, A.A.

Collection and laboratory rearing of the rat mite *Bdellonyxus bacoti*
Hirst, 1913. Zool. zhur. 33 no.2:350-355 Mr-Ap '54. (MLRA 7:5)

1. Otdel parazitologii i meditsinskoy zoologii (zaveduyushchiy -
akademik Ye.N.Pavlovskiy) IEM Akademii meditsinskikh nauk SSSR im.
N.F.Gamaleya. (Mites as carriers of disease)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420010-4"

BAKER, E.W.; WHARTON, G.W.; ZEMSKAYA, A.A. [translator]; PAVLOVSKIY, Ye.N.,
akademik, redaktor; TATARINOV, L.P., redaktor; GERASIMOVA, Ye.S.,
tekhnicheskiy redaktor

[An introduction to acarology. Translated from the English] Vvedenie
v akarologiyu. Per. s angliiskogo A.A.Zemskoi. Pod red. i s vstup.
stat. N.N.Pavlovskogo. Moskva, Izd-vo inostrannoi lit-ry, 1955.
474 p.

(Mites) (Ticks)

(MIRA 8:?)

ZEMSKAYA, A.A., and ZHUKOVA, L.I.

"The Tick Family, Dermacentoridae, Which Parasitize House Rodents in Large Cities", Problems of Regional, General, and Experimental Parasitology and Medical Zoology, Vol. 9, 1955.

Division of Parasitology and Medical Zoology, Inst. Epidemiology and Microbiology imeni N. F. Gamaleya, AMS USSR

Sum. I305

ZEMSKAYA, A.A.; ZHUKOVA, L.I.

Mites of the family Dermanyssidae parasitic on house rodents under city conditons. Vop.kraev., ob. i eksp.paraz. i med.zool. 9:78-80 '55. (MLRA 10:1)

1. Iz otdel parazitologii i meditsinskoy zoologii (zav. Ye.N. Pavlovskiy) Instituta epidemiologii i mikrobiologii imeni N.F. Gamaleya (dir. - deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR prof. G.V. Vygodchikov) Akademii meditsinskikh nauk SSSR i iz gorodskoy dezinfektsionnoy stantsii (glavnnyy vrach I.N.Kudrinskiy)
(MITES AS CARRIERS OF DISEASE)
(PARASITES--RODENTIA)

ZEMSKAYA, A.A.

Gamasid ticks, parasites of the gerbil (*Rhomomys opimus* Licht.)
Zool. zhur. 34 no.2:295-299 Mr-Ap '55. (MIRA 8:6)

1. Otdel parazitologii i meditsinskoy zoologii Instituta evolyutsionnoy morfologii Akademii meditsinskikh nauk SSSR im.
N.F.Gamaleya.

(Parasites--Rodentia) (Ticks)

ZEMSAKAYA, A. A., kandidat biologicheskikh nauk; BOLDYREV, S.T., kapitan
meditsinskoy sluzhby

Epidemiological role of the gamasid mites and methods for their
control. Voen.-med.zhur. no.7:53-58 Jl '56. (MLRA 9:11)
(MITES AS CARRIERS OF DISEASE)

BOLDYREV, S.T.; ZEMSKAYA, A.A.

Gamasid mites, parasites of susliks in Kazakhstan [English summary
insert]. Zeol.zhur. 35 no.2:190-193 F '56. (MIRA 9:7)

1.Otdel parazitologii i meditsinskey zoologii Instituta epidemiologii
i mikrobiologii AMN SSSR.
(Parasites--Susliks) (Kazakhstan--Mites)

COUNTRY	: USSR
CATEGORY	: Zooparasitology. Mites and Insects as Disease Vectors. Mites
ABSTRACT JOUR.	: RZhBiol., No. 2 1959, №. 5737
AUTHOR	: Zemskaya, A. A.; Piontkovskaya, S. F.
INST.	:
TITLE	: Gamasid Mites Parasitic on the Altay Myospalax myospalax from the Region of Virgin Land Recla- mation of Vostochno-Kazakhstanskaya Oblast
ORIG. PUB.	: Parazitol. sb., 1957, 17, 38-44
ABSTRACT	: In the foothills of Altay, 6 species of gamasid mites were found on <i>Myospalax myospalax</i> , of which 2 species of gen. <i>Hirstionyssus</i> (<i>H. myo-</i> <i>splacia</i> sp. n. and <i>H. minor</i> sp. n.) are new, and one species, close to <i>Haemogamasus zachvatki-</i> <i>ni</i> Breg., is considered by the authors to be a new subspecies, viz., <i>H. zachvatkini altaicus</i> ssp. n.
CARD:	1/1

ZEMSKAYA, A.A.; IL'YENKO, A.L.

Gamasidae in house and field sparrows in Moscow and the Moscow area. Med. paraz. i paraz. bol. 27 no.4:475-481 Jl-Ag '58. (MIRA 12:2)

1. Iz otdela infektsiy s prirodnoy ochagovost'yu Instituta epidemiologii i mikrobiologii imeni pochetnogo akademika N.F. Gamalei AMN SSSR (dir. instituta - prof. S.N. Muromtsev, zav. otdelom - prof. P.A. Petrishcheva).

(MITES

Gamasidae in sparrows in Russian cities (Rus))

(BIRDS,
same)

ZEMSKAYA, A. A. and PCHELKINA, A. A.

"Gamasid Mites in a Focus of Acarid-Borne Encephalitis in Kalininsk Oblast!."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Institute of Epidemiology and Microbiology, AMM, USSR, (Moscow)

ZEMSKAYA, A.A.; GROKHOVSKAYA, I.M.

Ticks on Siberian chipmunks in the Maritime Territory. Med.
paraz. i paraz.bol. 28 no.2:152-157 Mr.Ap '59. (MIRA 12:6)

1. Iz otdela prirodnocchagovykh bolezney Instituta epidemiologii i
mikrobiologii imeni N.F.Gamalei AMN SSSR (dir.instituta - prof.
S.N.Muromtsev, zav.otdelom - prof.P.A.Petrishcheva).

(TICKS

on striped squirrels in Maritime Region,
USSR (Rus))

(MITES

same)

(RODENTS

striped squirrels, infestation by mites & ticks
in Maritime Region, USSR (Rus))

FLINT, V.Ye.; ZEMSKAYA, A.A.; SIDOROV, V.Ye.

Role of ecological bird groups in the feeding of the tick
Ixodes persulcatus. Zool.zhur. 38 no.3:476-480 Mr '59.
(MIRA 12:4)

1. Department of Infections of Natural Nidality, Institute of
Epidemiology and Microbiology, Academy of Medical Sciences of
the U.S.S.R. (Moscow).

(Sikhote-Alin' Range--Ticks as carriers of disease)
(Parasites--Birds)

ZEMSKAYA, A.A.

Hirstionyssus pavlovskii, sp.n., a new species of gamasid
mites from the Maritime Territory. Zool.zhur. 38 no.3:
486-489 Mr '59. (MIRA 12:4)

1. Department of Infections of Natural Nidality, Institute of
Epidemiology and Microbiology, Academy of Medical Sciences of
the U.S.S.R. (Moscow).
(Krasnoarmeyskiy District (Maritime Territory)--Mites)
(Parasites--Chipmunks)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420010-4

ZEMSKAYA, A.A.; PCHELIKINA, A.A.

Gamasid ticks in a focus of tick-borne encephalitis in Kalinin Province. Med.paraz.i.paraz.bol. 29 no.3:275-282 '60.

(MIRA 13:12)

(KALININ PROVINCE—TICKS) (ENCEPHALITIS)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420010-4"

ZEMSKAYA, A.A.; PIONTKOVSKAYA, S.P.

New species and genus of the Gamasidae, Dipolaelaps ubsumuris
A. Zem. et Piont. gen.n. et sp.n. (Gamasoidae, Laelaptidae)
from Allactaga sibirica. Med.paraz.i paraz.bol. 29 no.5:
594-597 S-O '60. (MIRA 13:12)

1. Iz otdela prirodnoochagovykh infektsii Instituta epidemiologii i mikrobiologii AMN SSSR imeni N.F. Gamalei (dir. instituta - prof. S.N. Muromtsev, zav. otdelom - prof. P.A. Petri-shcheva).

(TICKS) (JERBOAS—DISEASES AND PESTS)

ZEMSKAYA, A.A.

Zel'manyssus grochovskae Zemskaya sp.n. Zool. zhur. 40 no. 1:134-
135 Ja '61. (MTRA 14:2)

1. Department of Infections of Natural Nidality, Institute of
Epidemiology and Microbiology, U.S.S.R. Academy of Medical
Sciences, Moscow.
(Maritime Territory--Mites) (Parasites--Birds)

ZEMSKAYA, A.A.; KORENBERG, E.I.

Parasitic gamasid mites of rodents in the central Yakut Lowland.
Zool. zhur. 41 no.6:939-943 Je '62. (MIRA 15:7)

1. Department of Infections of Natural Nidality, Institute of
Epidemiology and Microbiology, Academy of Medical Sciences of
the U.S.S.R., Moscow.
(Yakutia--Mites) (Yakutia--Parasites --Field mice)

PCHELKINA, A.A.; ZEMSKAYA, A.A.; SUVOROVA, L.G.

Territorial distribution and density changes of virus-infected ticks in a natural focus of tick-borne encephalitis in the southern part of Kirov Province. Med.paraz. i paraz. bol. 32 no.3:288-292 My-Je'63 (MIRA 17:3)

1. Iz ot dela prirodopochagovykh bolezney (zav. - prof. P.A. Petrishcheva) Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei AMN SSSR.

ACC NR: AT6031461

SOURCE CODE: UR/0000/65/000/000/0196/0208

AUTHOR: Zemskaya, A. A.; Suvorova, L. G.; Tupikova, N. V.

ORG: Institute of Epidemiology and Microbiology im. N. F. Gamaleya AMN SSSR.
(Institut epidemiologii i mikrobiologii AMN SSSR); Geography Faculty MGU (Geografi-
cheskiy fakultet MGU)

TITLE: Cartographic methods of studying ticks connected with natural tick-borne
encephalitis foci in the taiga

SOURCE: Konferentsiya po metodam mediko-geograficheskikh issledovaniy. Moscow,
1965. Metody mediko-geograficheskikh issledovaniy (Methods of medicogeographical
research); materialy konferentsii. Moscow, 1965, 196-208

TOPIC TAGS: medical geography, tick borne encephalitis, disease vector, insect
vector, encephalitis, animal parasite, cartography, biologic ecology

ABSTRACT: The distribution of ticks in the Kirov oblast was studied in
connection with the mapping of natural tick-borne encephalitis
foci. Ticks were collected at field stations under carefully
controlled conditions so that data from widely separated points
could be treated statistically. Catch data were plotted on
maps of the various areas under four headings: I) 1-3 ticks
per catch; II) 4-9; III) 10-15; IV) more than 15. The...

Card 1/2

ACC NR: AT6031461

greatest tick populations were found in second-growth forest about five years after cutting. Using specially prepared maps of forest types for plotting data greatly simplifies the recording and visualization of information when superimposed on similar maps showing host distribution, distribution and prevalence of ticks at various stages in their life cycles, and climatic data. [WA-50; CBE No. 12]

SUB CODE: 06.08 / SUBM DATE: 17Sep65 / ORIG REF: 021 /

Card 2/2

ACC NR: AT6031461

SOURCE CODE: UR/0000/65/000/000/0196/0208

AUTHOR: Zemskaya, A. A.; Suvorova, L. G.; Tupikova, N. V.

ORG: Institute of Epidemiology and Microbiology im. N. F. Gamaleya AMN SSSR.
(Institut epidemiologii i mikrobiologii AMN SSSR); Geography Faculty MGU (Geografi-
cheskiy fakultet MGU)

TITLE: Cartographic methods of studying ticks connected with natural tick-borne
encephalitis foci in the taiga

SOURCE: Konferentsiya po metodam mediko-geograficheskikh issledovaniy. Moscow,
1965. Metody mediko-geograficheskikh issledovaniy (Methods of medicogeographical
research); materialy konferentsii. Moscow, 1965, 196-208

TOPIC TAGS: medical geography, tick borne encephalitis, disease vector, insect
vector, encephalitis, animal parasite, cartography, biologic ecology

ABSTRACT: The distribution of ticks in the Kirov oblast was studied in
connection with the mapping of natural tick-borne encephalitis
foci. Ticks were collected at field stations under carefully
controlled conditions so that data from widely separated points
could be treated statistically. Catch data were plotted on
maps of the various areas under four headings: I) 1-3 ticks
per catch; II) 4-9; III) 10-15; IV) more than 15. The

Card 1/2

ACC NR: AT6031461

greatest tick populations were found in second-growth forest about five years after cutting. Using specially prepared maps of forest types for plotting data greatly simplifies the recording and visualization of information when superimposed on similar maps showing host distribution, distribution and prevalence of ticks at various stages in their life cycles, and climatic data. [WA-50; CBE No. 12]

SUB CODE:06,08/ SUBM DATE: 17Sep65/ ORIG REF: 021/

Card 2/2

ZEMSKAYA, A. G.

"Multiform Spongioblastomas of the Brain (Clinicomorphological Investigation)." Cand Med Sci, State Inst for the Advanced Training of Physicians, Leningrad, 1954. (RZhBiol, No 5, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

USSR / General Problems of Pathology. Tumors.
Comparative Oncology. Tumors in Humans.

U-7

Abs Jour: Ref Zhur-Biol., No 15, 1958, 70938.

Author : Zemskaya A. G.

Inst : Not given.

Title : The Clinic and Pathological-Morphological Changes
in the Brain in Cases of Multiforme Spongioblas-
toma.

Orig Pub: Tr. Vseross. nauch-prak. konferentsii neyrokhir-
urgov, 1953 i 1954. Leningrad, Medgiz, 1956, 283-286.

Abstract: Observation of 60 patients revealed that: tumors in
the large hemispheres were present in 57 cases, and
tumors of the cerebral stem in three cases. The
tumor affects large areas of one section or several
cerebral sections, usually the white matter, often

Card 1/4

42

USSR / General Problems of Pathology. Tumors.
Comparative Oncology; Tumors in Humans.

U-7

Abs Jour: Ref Zhur-Biol., No 15, 1958, 70938.

Abstract: the area of the Sylvius fissure, and then spreads to the two or three adjacent sections. In 22 cases, the tumor spread to the lateral ventricles, in 13 cases into the subarachnoidal space, and in 12 cases, into the dura mater. The duration of the disease was from five days to two and one half years. The life expectancy of patients in operated cases is an average of 7.3 months, and in non-operated cases the average is 5.8 months. In 41 cases the disease assumed a tumor type, and in 14 cases as an inflammatory process. The disease starts as an acute condition with early manifestations of a total brain involvement, frequently with psychic disturbance, cortical symptoms, elevation of temperature, a high leukocytosis count and high reaction of

Card 2/4

USSR / General Problems of Pathology. Tumors.
Comparative Oncology. Tumors in Humans.

U-7

Abs Jour: Ref Zhur-Biol., No 15, 1958, 70938.

Abstract: erythrocyte sedimentation. A protein-cellular disassociation may be present or an increase of cellular elements in the spinal fluid. A histological examination of 20 cases revealed: a sharply defined polymorphism of cellular elements, marked changes of connective tissues and of the vascular system, and wide areas of necrosis, hemorrhages and lymphocytic infiltrations in the center and along the periphery of the tumor. There was a disseminated edema of the brain, mostly of the white matter in the affected hemisphere, an increase in the number of blood vessels, proliferation by cellular elements of their walls with large and small hemorrhage areas near and far from the tumor.

Card 3/4

USSR / General Problems of Pathology. Tumors,
Comparative Oncology. Tumors in Humans.

U-7

Abs Jour: Ref Zhur-Biol., No 15, 1958, 70938.

Abstract: Large sections of the cortex had ischemically changed nervous cells and many sections revealed a demyelination of the nervous fibers. Inflammatory manifestations were also observed, such as numerous polyblastic infiltrations in areas near and far removed from the tumor.

Card 4/4

ZEMSKAYA, A.G.

Pathology and surgical treatment of cerebrodural hernia. Vop. neirokhir. 21 no.6:37-38 N-D '57. (MIRA 11:2)

1. Klinicheskiy otdel Leningradskogo neyrokhirurgicheskogo instituta imeni prof. A.L.Polenova.
(ENCEPHALOCELE)
cerebrodural hernia, pathol. & surg.)

EXCERPTA MEDICA Sec 16 Vol 7/4 Cancer Apr 27

1435. The correlations of generalized and focal symptoms in brain tumours in children (Russian text) ZEMSKAYA A. G. *Zh. Nevropat. i Psichiat.* 1958, 18/7 (844-847)

A study was made in 362 children between the ages of 1 and 15 yr. In all the cases observed the diagnosis had been confirmed at operation or at autopsy. There were 177 patients with tumours in the occipital fossa, and 185 patients with supratentorial tumours. There was marked predominance of generalized symptoms over focal symptoms in the majority of patients. This often renders the topographical diagnosis difficult. As a rule, additional diagnostic methods must be applied, particularly pneumoventriculography. The only exceptions to the rule are the tumours of the region of the brain stem, tumours of the basal ganglia and certain rapidly growing forms of medulloblastoma and craniopharyngioma. In the great majority of the cases studied the focal symptoms developed parallel with the generalized symptoms.

ZHEMSKAYA, A.G.

Characteristics of the interrelationship between general and focal
cerebral symptoms in brain tumors in children [with summary in French]
Zhur.nevr. i psikh. 58 no.7:344-347 '58 (MIRA 11:7)

1. Klinicheskiy otdel (zav. - prof. I.S. Babchin) Leningradskogo na-
uchno-issledovatel'skogo neurokhirurgicheskogo instituta imeni
A.L. Polenova.

(BRAIN NEOPLASMS, in infant and child,
general & focal cerebral sympt. (Rus))

ZEMSKAYA, A.G.; SAVCHENKO, Yu.N.

Two months at the Montreal Neurological Institute. Vop.neirokhir.
23 no.1:52-54 '59. (MIRA 12:3)
(MONTREAL--NEUROLOGY)

AVIDON, D.B., kand.med.nauk; BAIROV, G.A., kand.med.nauk; BUTIKOVA, N.I., dotsent, kand.med.nauk; BOYKOV, G.A., kand.med.nauk; VERESHCHAGINA, L.N., kand.med.nauk; GONCHAROVA, M.N., prof., doktor med.nauk; ZHOLOBOV, L.K., vrach; ZEMSKAYA, A.G., kand.med.nauk; KAYSAR'YANTS, G.A., dotsent, kand.med.nauk; KOLESOV, A.P., doktor med.nauk; KONDRAT'YEV, A.P., kand.med.nauk; KORCHANOV, G.I., kand.med.nauk; KUTUSHEV, F.Kh., kand.med.nauk; LEVINA, O.Ya., kand.med.nauk; LYANDRES, Z.A., prof., doktor med.nauk; MOROZOVA, T.I., kand.med.nauk; MIRZOYEVA, I.I., kand.med.nauk; PANUSHKIN, V.S., kand.med.nauk; RASTORGUYEV, A.V., vrach; RUDAKOVA, T.A., kand.med.nauk; SAVITSKAYA, Ye.V., kand.med.nauk; SVISTUNOV, N.I., vrach; CHISTOVICH, G.V., kand.med.nauk; YAKOVLEVA, T.S., vrach; MARGORIN, Yevgeniy Mikhaylovich, prof., red.; DOLETSKIY, S.Ya., red.; VERESHCHAGINA, L.N., red.; RULEVA, M.S., tekhn.red.

[Operative surgery on children] Operativnaia khirurgija detskogo vozrasta. Leningrad, Gos.izd-vo med.lit-ry Medgiz, Leningr.otd-nie, 1960. 475 p.

(MIRA 13:12)

(CHILDREN--SURGERY)

ZEMSKAYA, A. G., kand. med. nauk (Leningrad)

Surgical treatment of epilepsy in children. Vop. neirokhir. no.6:3-8
'61. (MIRA 14:12)

1. Neyrokhirurgicheskiy institut imeni prof. A. L. Polenova.

(EPILEPSY)

ZEMSKAYA, A.G.

Diagnosis, clinical course and treatment of focal epilepsy
in children. Zhur. nevr. i psikh. 64 no.7:1086-1090 '64.

(MIRA 17:12)

1. Leningradskiy nauchno-issledovatel'skiy neurokhirurgicheskiy
institut im. A.L. Polenova (direktor - prof. V.M. Uglyumov).

ZEMSKAYA, A.G., kand.med.nauk

Electrophysiological diagnosis of a pathological focus in the
brain in focal epilepsy in children. Vop.neirokhir. 28 no.4:36-
41 Jl-Ag '64. (MIRA 18:3)

1. Leningradskiy nauchno-issledovatel'skiy neurokhirurgicheskiy
institut imeni A.L.Polenova (dir. - prof. V.M.Ugryumov).

ZEMSKAYA, A.G.; KACHAYEV, V.L.

Clinical aspects and surgical treatment of implantational
cholesteatomas in the region of the cauda equina. Vop. psikh.
i nevr. no.9:328-334 '62. (MIRA 17:1)

1. Leningradskiy nauchno-issledovatel'skiy neurokhirurgi-
cheskiy institut imeni prof. A.L. Polenova (dir. - prof.
V.M. Uglyumov).

ZEMSKAYA, A.G., kand.med. nauk (Leningrad)

Morphological changes in the brain matter in the area of an
epileptogenic focus in children. Vop. Neirokhir. 27 no.1:
19-23 Ja-F '63. (MIRA 16:5)

1. Neyrologicheskaya laboratoriya (zav.-prof. V.P.Kurkovskiy)
neyrokhirurgicheskogo instituta imeni A.L.Polenova (direktor -prof.
V.M.Ugryumov).

(EPILEPSY) (BRAIN-DISEASES)

ZEMSKAYA, Irina.

My first schoolteacher. Rabotnitsa 34 no.3:12-13 Mr '56.
(MLRA 9:5)

(Abrosimova, Mariia Pavlovna)

ZEMSKAYA, Irina.

Young tourists. Rabotnitsa 35 no.8:25-26 Ag '57. (MLRA 10:9)
(Children)

ZEMSKAYA, K. A.

"The Growth and Pubescence of North Caspian Bream in Relation to a Change in Its Number." Cand Biol Sci, Inst of Oceanology, Acad Sci USSR, Moscow, 1955. (KL, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

ZEMSKAYA, K.A.

Effect of fattening and the abundance of brood fish on the
quantity of offspring in the Caspian bream. Trudy sov.
Ikht. kom. no.13:307-313 '61. (MIRA 14:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo
rybnogo khozyaystva i okeanografii - VNIRO.
(Caspian Sea--Bream)

ZEMSKAYA, K. A

"Short Characteristics of the Fishing Stock of Pleuronectes Flesus in the Middle Baltic."

paper presented at the Meeting of the International Council for Exploration of the Sea, Annual Meeting, Bergen, Norway, 30 Sep - 8 Oct 57. Presented to Special Baltic-Pelt Seas Meeting.

ZEMSKAYA, K.A., kand. biol.nauk

Growth and sexual maturation of Northern Caspian bream as related to fluctuations in their stock [with summary in English]. Trudy VNIRO 34: 63-86 '58.

(Caspian Sea--Bream)

(MIRA 11;9)

ZEMSKAYA, K.A.

Fish growth in populations with a small range of numerical fluctuations. Vop. ikht. 1 no.4:690-694 '61. (MIRA 14:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii -(VNIRO), Moskva.
(Fish populations)
(Growth)
(Baltic Sea--Flounders)

ZEMSKAYA, K.A.

Methods of studying the biological properties of fish populations and
their changes. Trudy VNIRO 50:39-44 '64.

(MIRA 17:12)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420010-4

SEREБRYAKOV, A.M., kand.tekhn.nauk; KOL'TSOVA, V.A., inzh.; Prinimali
uchastiye: SIMAGINA, O.S., inzh.; GNENKOVA, Ye.Ya., inzh.; ZEMSKAYA,
L.I., inzh.; ALEKSEYEVA, T.A., inzh.

Continuous method for dyeing all-wool and semi-wool dress fabrics.
Nauch.-issl.trudy TSNIIShersti no.18:102-115 '63.

(MIRA 18:1)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420010-4"

YEL'KIND, A.I.; ZEMSKAYA, N.A.

Measuring the output conductance of an os cillator by means of a
measuring line. Izm. tekhn. no. 1:48-49 Ja '61. (MIRA 14:1)
(Oscillators, Electric--Testing)

ZEMSKAYA, O. A.

B. A. Kazanskii, A. V. Kiperina, and O. A. Zemskaya - "Concerning the oxidation of
B-methyl cyclohexanol. The synthesis of 1-methyl-3-propylcyclopentane." (p. 1212)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1920, Vol. 20, No. 7.

RAKITIN, Yu.V.; ZEMSKAYA, V.A.; ALEKSANDROV, M.A.

Preharvest chemical desiccation of rice. Izv. AN SSSR. Ser. biol.
26 no. 5:729-739. S-0 '61. (MIRA 14:9)

1. The Kuban Experimental Rice Plantation, Institute of Plant
Physiology, Academy of Sciences of the U.S.S.R., Moscow.
(RICE—HARVESTING) (DRYING AGENTS)

ZEMSKAYA, V.A.; RAKITIN, Yu.V.

Detoxication of isopropyl phenyl carbamate in sunflower and oat plants.
Fiziol. rast. 8 no.2:220-225. '61. (MIRA 14:3)

I. K. A. Timiriazev Institute of Plant Physiology, U.S.S.R. Academy of Sciences, Moscow.

(Carbamic acid) (Plants, Effect of poison on)

BASKAKOV, Yu.A.; ZEMSKAYA, V.A.

Possible transformation of esters of the phenylcarbamic acid in
plants [with summary in English]. Fiziol.rast. 6 no.1:67-72 Ja-F
'59. (MIRA 12:2)

I. K.A. Timiryazev Institute of Plant Physiology, U.S.S.R. Academy
of Sciences, Moscow.
(Plants, Effect of carbanillic acid on)

AUTHOR: Zemskov, A.A., Docent SOV/3-58-12-19/43

TITLE: In the Section on the History of the KPSS (V sektsii istorii KPSS)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 12, pp 57 - 58 (USSR)

ABSTRACT: The author reports on a conference of the Section for the History of the KPSS of the Nauchno-tehnicheskiy sovet Ministerstva vysshego obrazovaniya SSSR (Scientific-Technical Council of the USSR Ministry of Higher Education) held in October 1958. It discussed questions of the further development of the higher school raised in N.S. Khrushchev's report to the Presidium of the TsK KPSS. The heads of chairs and instructors of history of the KPSS from the universities in Moscow, Saratov, Sverdlovsk, Ashkhabad, Ufa, Irkutsk, Przheval'sk, Mogilev, Bryansk were present. They expressed their views on the problems of teaching social science at higher schools under the new conditions. Professor A.V. Shapkarin (Moscow University) pointed out that the reorganization of the higher school provides for a further development of humanitarian education, and an expansion in teaching social sciences. Some orators pointed out that for lack of

Card 1/2

In the Section on the History of the KPSS

SOV/3-58-12-19/43

vacant positions the Ministry was forced to reduce admission to post-graduate courses in social sciences, and was unable to place many graduates in pedagogical positions. Other operators suggested a revision of the curricula of the historical, economic and philosophical faculties. The conference participants criticized the Upravleniye prepodavaniya obshchestvennykh nauk (Administration for Teaching Social Sciences) for the shortage of professors and doctors of sciences in the chairs of social-economic subjects.

Card 2/2

ZEMSKAYA, V.A.

RAKITIN, Yu.V.; ZEMSKAYA, V.A.

Effect of 2,4-D on nitrogen metabolism in oat and stringbean plants
[with summary in English]. Fiziol. rast. 5 no.2:97-106 Mr-Ap '58.
(MIRA 11:4)

1. Institut fiziologii rasteniy im. K.A. Timiryazeva AN SSSR, Moskva.
(2,4-D) (Nitrogen metabolism) (Oats) (Beans)

ZEMSKAYA, V.A.

Controlling broad-leaved weeds on grain fields. Itogi nauki:
Biol.nauki no.2:492-548 '58. (MIRA 14:4)

(Herbicides)

OVCHAROV, K.Ye.; POVOLOTSKAYA, K.L.; ZEMSKAYA, V.A.; SVARINSKAYA, R.A.;
SEDENKO, D.M.

Weed control on fields where broad-leaved plants are grown. Itogi
nauki: Biol.nauki no.2:549-581 '58. (MIRA 14:4)

(Herbicides)

OVCHAROV, K.Ye.; POVOLOTSKAYA, K.L.; ZEMSKAYA, V.A.; SVARINSKAYA, R.A.;
SEDENKO, D.M.

Destroying woody plants and controlling weeds in meadows, pastures,
and nurseries. Itogi nauki: Biol.nauki no.2:582-608 '58.
(MIRA 14:4)

(Herbicides)

ZEMSKAYA, V. A.

ZEMSKAYA, V. A.: "Morphological changes and nitrogen metabolism in oat and bean plants when using 2,4-D". Inst of Plant Physiology imeni K. A. Timiryazev. Acad Sci USSR. Moscow, 1956.
(Dissertation for the Degree of Candidate in Biological Sciences).

SO: Knizhnaya Letopis', No 23, 1956

ZEMSKAYA, Ye. I. Cand Biol Sci -- (diss) "On the mechanism of prolonged
maintenance of function ~~of the~~ ^{short term} work of gastric glands after short periods of simulated
feeding." Kursk, 1958. 15 pp (Inst of Physiology im I. P. Pavlov), 50 copies
(KL, 52-58, 100)

NEKRASOV, P.A., prof.; ZEMSKAYA, Ye.I., assistant

Influences from the receptors of the nerve trunks on the spinal motor reflexes. Sbor. trud. Kursk. gos. med. inst. no.13:280-286 '58. (MIRA 14:3)

1. Iz kafedry fiziologii (zav. - prof. P.A.Nekrasov) Kurskogo gosudarstvennogo meditsinskogo instituta.
(RECEPTORS (NEUROLOGY)) (REFLEXES)

ZEMSKAYA, Ye.I., Cand Bio Sci -- (diss) "Concerning
the mechanism of ^{prolonged} ^{junction} sustained maintenance of work of the
gastric glands after ^{brief simulated} ~~a short imaginary~~ feeding." Kursk,

1958, 15 pp. (Inst of Physiology im I.P. Pavlov) 100 copies

(KL, 39-58,108)

- 19 -

ZEMSKAYA, Ye.Kh.

Effect of operational disturbances in the recovery plant on
the arsenic-soda process of sulfur removal. Koks i khim.
no.2:39-40 '60. (MIRA 13:5)

1. Zhdanovskiy koksokhimicheskix zavod.
(Coke industry--By-products) (Sulfur dioxide)

SERGEYEV, Petr Sergeyevich; ZEMSKIKH, P.V., red.

[Design of turbogenerators] Proektirovaniye turbogeneratorov;
uchebnoe posobie. Moskva, Mosk. energ.in-t, 1961. 108 p.
(Turbogenerators) (MIRA 16:6)

ZEMSKIY, V. (Staro-Yur'yevskiy rayon, Tambovskaya oblast')

An important sector in trade-union work. Okhr. truda i sots.
strakh. no.2:42-43 Fe '59. (MIRA 12:4)

1. Predsedatel' rabochego komiteta sovkhoza imeni Lenina.
(Staro-Yur'evo District--Farm mechanization--Safety measures)

ZEMSKIY, A., sportsmen l-go razryada

Design and adjustment of model gliders. Kryl.rod. 10 no.3:27
M.F. '59. (MIRA 12:4)
(Gliders (Aeronautics)--Models)

ZEMSKIY, A. A.

"Lowering of Water Level by Needle Filters in the Making of
Trench Works by the Continuous Rate Method." Cand Tech Sci,
Leningrad Construction Engineering Inst, Leningrad, 1954. (RZhMekh,
Sep 54)

SO: Sum 432, 29 Mar 55

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420010-4

ZEMSKY, Aleksandr Aleksandrovich; MAKAROV, V.I., red.; CHERNOVA,
M.S., red.

[Handbook for a steel fixer] Pamiatka armaturshchika. Pod
obshchei red. V.I.Makarova. Leningrad, Lenizdat, 1963. 95 p.
(MIRA 17:7)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420010-4"

ZEMSKIY, Aleksandr Aleksandrovich, kand.tekhn.nauk; DALMATOV, B.I., doktor tekhn.nauk, nauchnyy red.; ROTENBERG, A.S., red.izd-va; PUL'KINA, Ye.A., tekhn.red.

[Lowering the water table in conducting trench work; practices in the city of Leningrad] Vodoponizhenie pri proizvodstve transheinykh rabot; iz opyta Leningrada. Leningrad, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 96 p.
(MIRA 12:12)

(Leningrad--Drainage)

ZEMSKIY, A.N., arkitektor.

Speed up the production and improve the quality of plans and estimates. (Gor.
khoz. Mosk. 25 no.10:11-13 O '51. (MLRA 6:11)
(Moscow--Building--Estimates) (Estimates--Building--Moscow)

ZEMSKIY, A.V. (Moscow)

Meeting of physics teachers of the Moscow Province. Fiz. v
shkole 14 no.3:91-92 My-Je '54. (MLRA 7:7)
(Moscow Province--Physics--Study and teaching)
(Physics--Study and teaching--Moscow Province)

ZEMSKII, B. M.

ZEMSKII, B. M.

Professor Nikolai Egorovich Zhukovskii; k piatnadtsatiletiiu
so dnia smerti, 1921-1936. Moskva, 1936. 23 p., ports.

Works by N. E. Zhukovskii: p. 21-23.

Title tr.: Professor Nikolai Egorovich Zhukovskii; on the
occasion of the fifteenth anniversary of his death, 1921-1936.

TL540.Z45Z4

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

ZEMSKIY, M.

Study and promote the experience of outstanding workers. Pezh.
dele 5 no.2:3-4 F '59. (MIRA 12:3)

1.Nachal'nik Upravleniya pozharnoy okhrany RSFSR.
(Fire prevention--Study and teaching)

ZEMSKIY, M. [Zamski, M.]

Heroic work. Rab. i sial. 36 no. 4;14 Ap '60.

(MIRA 14:5)

1. Kolkhoz im. Stalina, Dzerzhinskogo rayona.
(Dzerzhinsk District (Minsk Province)—Women as farmers)

ZEMSKIY, M.

SABUROV, A.; TARASOV-AGALAKOV, N.; VOZYAKOV, V.; ZEMSKIY, M.; TROITSKIY, I.;
RUBIN, A.; OBUKHOV, F.; POLOSUKHIN, M.; REMIZOV, A.; SHALIN, V.;
MIKHAYLOV, F.

Konstantin Moiseevich IAichkov; obituary. Pozh.delo 3 No.6:11
(MLRA 10:7)
Je. '57. (IAichkov, Konstantin Moiseevich, 1873-1957)

BOBIN, K.P.; GERASIMOV, N.S.; GOLUBEV, S.G.; DEMIDOV, P.G.; DEM'YANENKO, M.P.;
YEVTYUSHKIN, N.M.; ZEMSKIY, M.I.; KALASHNIKOV, K.A.; KONCHAYEV, B.I.;
KOROLEV, A.I.; KRZHIZHANOVSKIY, P.I.; KULAKOV, G.M.; POLOSUKHIN, M.N.;
ROYTMAN, M.Ya.; RUMYANTSEV, V.I.; SEMUSHKIN, B.V.; SMUROV, A.N.;
TARASOV-AGAKOV, N.A.; TOMASHEV, A.I.

Semen Vasil'evich Kaliaev; obituary. Pozh. dalo 4 no.5:29 My '58.
(Kaliaev, Semen Vasil'evich, 1904-1958) (MIRA 11:5)

ZEMSKIY, O. M.

Aerodinamicheskie truby sverkhzvukovykh skorostei. Moskva, 1940.

Title tr.: Wind tunnels for supersonic speeds.

NCF

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

~~ZEMSKIX, P.M.~~

Method for the comparative evaluation of farmland in various
natural and economic zones of the U.S.S.R. [with German summary in
insert]. Pochvovedenie no.9:83-88 S'56. (MLRA 10:1)

1. Sovet po izucheniiya proizvoditel'nykh sil Akademii nauk SSSR.
(Land--Valuation)

ZEMSKIY, Petr Mikhaylovich; LETUNOV, P.A., kand.geol.-mineral.nauk, otv.
red.; NEMCHINOV, V.S., akademik, red.; NIKISHIN, I.I., kand.
sel'skokhozh.nauk, red.; KHATSKHELEVICH, L.M., red.izd-va;
HYLINA, Yu.V., tekhn.red.

[Development and distribution of agriculture by natural economic
regions of the U.S.S.R.] Razvitiye i razmeshchenie zemledeliia
po prirodno-khoziaistvennym raionam SSSR. Moskva, Izd-vo Akad.
nauk SSSR, 1959. 297 p. (MIRA 12:6)
(Agriculture)

J

Country : USSR
Category: Soil Science. Cultivation. Improvement.
Erosion.

Abs Jour: RZhBiol., No 14, 1958, № 63136

Author : Letunov, P.I.; Zemskiy, P.M.; Ivanchenko, A.A.;
Mirkin, S.L.; Nikishin, I.I.; Ostrovnaya, N.N.;
Favorin, N.N.

Inst : AS USSR
Title : Measures in the Development of Irrigation Agriculture
on the Lower Reaches of Amu-Darya.

Orig Pub: Tr. Aralo-Kaspinsk. kompleksnoy ekspeditsii. AN SSSR,
1957, vyp. 8, 5-36

Abstract: On irrigated oases of the Kara-Kalpakskaya ASSR,
of the Khoresmskaya oblast' of the Uzbek SSR and

Card : 1/4

J-70

Country : USSR
Category: Soil Science. Cultivation. Improvement.
Erosion.

Abs Jour: RZhBiol., No 14, 1958, No 63136

J

of the Tashkuzskaya oblast' of the Turkmen SSR, there is a constant struggle with the nearby ground waters, the salting of the irrigable soils and the great volume of deposits which clog up the irrigation systems. The lower reaches of Mau-Darya are characterized by extremely small surface slopes, lack of drainage of ground waters, widely distributed native saltiness and variegated mechanical composition of the alluvial deposits. There are presented the results of computing the areas of various soils of the studied part of the ancient delta, in which 1810.8 thousand hectares of lands suitable for irri-

Card : 2/4

Zemskiy, P.M.

J-2

USSR/Soil Science - Genesis and Geography of Soils.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10458

Author : Bazilevich, N.I., Gollervakh, M.M., Rodin, L.Ye.,
Zemskiy, P.M.Inst :
Title : The Morphology of the Profile of the Takyry; the Takyry
Crust.Orig Pub : Takyry Zap. Turkmenii i puti ikh s.-kh. osvoyeniya,
Moskva, Akad Nauk SSSR, 1956, 337-350Abstract : The decisive factor in the formation of the takyry crust is
the combination of the photosynthetic process effected by
the algae and the continual fine silting going on in the
accumulating surface waters. The innumerable O₂ bubbles
given off by the algae during photosynthesis are coated
with Ca carbonates in a very fine suspension /oblekayutsya/
Ca karbonatami tonchayshey vzves'yu/ and when cemented to-
gether form the characteristic porous shell of the takyry

Card 1/2

, 1958, 10458

crust. Calculations have shown that up to 250 kilograms
of O₂ per hectare can be secreted on the algal takyry.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001964420010-4"

greatest significance in the formation of the crust hori-
zon of the takyry: swelling, drying up, shrinking, fissu-
ring. The interaction of these processes, combined with
the effect of biological processes on the soil base /poro-
da/, leads to the formation of the takyry profile.

Card 2/2

of the upper part of the crust is much lower than that of
the lower part of the crust which, to a depth of 1.65 cm.,
looks like a dwarf alluvial /illyuvial'nyy/ horizon. The
total, including non-capillary, porosity of the upper part
of the crust reaches 16%, and 6% in the lower part; the
maximal hygroscopic moisture and the withering coefficient

Card 1/3

Zemskiy, P.M.

J-3

USSR/Soil Science - Physical and Chemical Properties of Soils.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10512

Author : Kovda, V.A., Letunov, P.A., Budakova, A.A., Zemskiy, P.M.,
Shavrygin, P.I., Kuznetsova, T.V.

Inst : -
Title : Elements of the Moisture Regime of the Takyry

Orig Pub : Takyry Zap. Turkmenii i puti ikh s.-kh. osvoyeniya,
Moskva, Akad Nauk SSSR, 1956, 513-521.

Abstract : In the takyry moisture travels exclusively in capillary suspended solutions. Ground waters ordinarily have no effect on the water regime of the takyry. One characteristic of the water regime of the takyry, and of the takyry soils, is the extreme dessication of their upper horizons, up to hygroscopic moisture, /?, in the summer period. The drying up of the crust horizon of the takyry can occur also during the winter (in the intervals between deposits of precipitation); this is due to certain

Card 1/2

Card 2/2

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420010-4"

ZEMSKIV, P.M.

USSR/Cultivated Plants - General Problems.

b.

Abs Jour : Ref Zbir - Bill., No 10, 1953, 44002

Author : Zemskiy, P.M.

Inst

Title : On the Method of Comparative Evaluation of Agricultural Institutions in USSR.

Orig Pub : Pochvovedeniye, 1956, No 9, 03-83

Abstract : No abstract.

Card 1/1

ZEMSKIY, Petr Mikhaylovich; LETUNOV, P.A., kand.geol.-min.nauk, otv.
red.; NEMCHINOV, V.S., akademik, red.; NIKISHIN, I.I., kand.
sel'skokhoz.nauk, red.; KHATSKIEVICH, L.M., red.izd-va;
RYLINA, Yu.V., tekhn.red.

[Development and distribution of agriculture according to
natural and economic zones of the U.S.S.R.] Razvitiye i raz-
meshchenie zemledeliia po prirodno-khoziaistvennym raionam
SSSR. Moskva, Izd-vo Akad.nauk SSSR, 1959. 297 p.

(MIRA 12:8)

(Agriculture)

Zemskiy, S. V.

137-1957-12-25462

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 358 (USSR)

AUTHORS: Gruzin, P. L., Zemskiy, S. V.

TITLE: Inspection of Refractory Lining by Means of Radioactive Isotopes (Primeneniye radioaktivnykh izotopov dlya kontrolya sluzhby ogneuporyny kladki)

PERIODICAL: V sb.: Primeneniye radioaktivn. izotopov v chernoy metallurgii. Chelyabinsk, Knigoizdat, 1957, pp 32-48

ABSTRACT: Methods of inspection for wear in the lining of open-hearth and blast furnaces are examined.

L. V.

1. Refractory materials-Inspection
2. Isotopes (Radioactive)-Applications
3. Furnaces-Maintenance

Card 1/1

Zemskiy, S.V.

137-1958-1-280

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 43 (USSR)

AUTHORS: Gruzin, P.L., Zemskiy, S.V., Trekalo, S.K., Afanas'yev, V.N.

TITLE: A Study of the Motion of Charge Components in Blast Furnaces
(Izuchenie dvizheniya shikhtovykh materialov v domennykh pechakh)

PERIODICAL: V sb.: Primeneniye radioaktivn. izotopov v chernoy metallurgii.
Chelyabinsk. Knigoizdat. 1957, pp 59-66

ABSTRACT: Radioactive isotopes Fe⁵⁹ and Co⁶⁰ were used to determine the rate of motion of the charge at various distances from the wall of a blast furnace. Photon counters mounted either outside the furnace or in its lining (fixed counters) or introduced within it by A.A. Melikyan's method (mobile counters) were used to trace the progress of the radioactive isotopes through the various levels of the furnace. Data obtained by the investigation show that the time during which the materials remain within a 330 m³ furnace from the stock line to the tuyere belt is 3 hrs. 40 min. for the clinker in the middle of the furnace and 4 hrs. 45 min. at the periphery, while for coke it is 4 hrs. 50 min. both at the center and at the periphery.

Card 1/1

M.O.

1. Blast furnaces--Performance 2. Iron isotopes (Radioactive)
--Applications 3. Cobalt isotopes (Radioactive)--Applications

20-114-6-23/54

AUTHORS: Bardin, I. P., Member of the Academy, Gruzin, P. L., Zemskiy, S.V.

TITLE: An Investigation of the Blast Furnace Process by Means of Isotopes (Izuchenie domennogo protsessa metodom izotopov)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 114, Nr 6, pp. 1220-1223 (USSR)

ABSTRACT: The present paper gives the results of various experiments made by the Central Scientific Research Institute for Siderurgy and by metallurgical factories on the motion of the charge materials, the wear of the fire-proof lining and the elaboration of a method for studying the motion of gases in the blast furnace by means of isotopes. Under the influence of the air blast the pieces of coke perform a spherical circulation. With the aid of radioactive isotopes the motion of the parts of the charge in the blast furnaces can be studied by fundamentally new methods. A piece of the charge is labelled by an artificially radioactive isotope and its motion followed by radiation detectors. The simplest method for labelling the charge materials consists in the boring of holes in the pieces of coke and lime and the fixing of certain quantities of radioactive isotopes in these holes. Another very suitable

Card 1/2

Card 2/2

ZEMSKY, S. V.

SOV/137-59-2-4054

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2, p 248 (USSR)

AUTHORS: Gruzin, P. L., Babikova, Yu. F., Borisov, Ye. V., Zemskiy, S. V.,
Peregudov, N. P., Polikarpov, Yu. A., Tirkina, A. N., Fedorov, G. B.,
Shumilov, M. A.

TITLE: Study of the Mobility of Carbon Atoms in Steel and Alloys Using C¹⁴
Isotope (Izuchenie podvizhnosti atomov ugleroda v stali i splavakh
pri pomoshchi izotopa C¹⁴)

PERIODICAL: Sb. tr. In-t metalloved. i fiz. metallov Tsentr. n.-i. in-ta chernoy
metallurgii. 1958, Vol 5, pp 327-365

ABSTRACT: The authors examine methods for investigating the diffusion, elec-
trolytic transfer, and distribution of C in Fe, Ni, and some of their
alloys. Data were obtained by the direct (autoradiographic) method
on the effect of Cr, Ni, Mo, and Si on the diffusion of C in ferrite; Ni
and Si have appreciably less effect on the diffusion of C than the carbide-
forming Cr and Mo. It was established that the diffusion mobility
level changes very little when the Fe and Ni are highly alloyed; it is
displaced only when another base is used, as it happens in Fe-Cr, and
under these conditions the mobility level of C approaches that of the

Card 1/2

alloying elements. It was experimentally verified that the C in Fe and Ni is in the cation state. It was established that the cation charge can change depending upon the character of the alloying element. Bibliography: 27 references.

M. G.

Card 2/2

SOV/137-58-8-16757

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 75 (USSR)

AUTHORS: Gruzin, P.L., Zemskiy, S.V., Tyutyunnik, A.D.

TITLE: Diffusion in Titanium and Alloys Based Thereon and the Sintering Process (Diffuziya v titane i splavakh na yego osnove i protsess spekaniya)

PERIODICAL: Sb. tr. In-t metalloved. i fiz. metallov Tsentr. n.-i. in-ta chernoy metallurgii, 1958, Vol 5, pp 366-382

ABSTRACT: Processes of diffusion in powder Ti (porosity <2%) and alloys thereof with 10% Cr or W (porosity <5%) are investigated by Cr, Fe, and W isotopes in the 700-1250°C interval. The temperature dependence of the value of D is determined on the basis of a layer-by-layer analysis of the integral radioactivity of the β (W isotope) and γ radiation. It is established that this dependence is of the same exponential character as that of compact metals. Ti differs from other refractory metals by a higher level of diffusive mobility. D and D_0 rise with increase in porosity. The D values may be employed to solve problems of rational duration of homogenation of powder alloys and to calculate the density of Ti in powder form sintered at various

Card 1/2

ALIYAROVA, Z.A.; GRUZIN, P.L.; ZEMSKIY, S.V.

Studying the distribution of an admixture of sulfur in selenium
by autoradiography, Dokl.AN Azerb.SSR 15 no.6:467-471 '59.
(MIRA 12:9)

1. Predstavleno akademikom AN Azerbaydzhanskoy SSR Z.I.Khalilovym.
(Sulfur--Analysis) (Selenium--Analysis)
(Autoradiography)

BORISOV, Ye.V.; ZEMSKIY, S.V.; GRUZIN, P.L.

Diffusion of certain elements in high-melting metals. Probl. metalloved.
i fiz. met. no.8:321-325 '64. (MIRA 18:7)

YEFIMOV, A.I.; ZEMSKIY, S.V.

Investigating the distribution of phosphorus in iron-base alloys
by the method of autoradiography. Sbor. nauch. trud. Inst. metallo-
fiz. AN URSR no.20:171-179 '64. (MIRA 18:5)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420010-4

GRUZIN, P.L.; ZEMSKIY, S.V.; RODINA, I.B.

Studying the diffusion of carbon and molybdenum in chromium.
Met. i metalloved. chist. met. no. 4:243-250 '63.

(MIRA 17:5)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420010-4"

GRUZIN, P.L.; AFANAS'YEV, V.N.; ZEMSKIY, S.V.; SMIRNOV, V.G.;
ANDREYENKO, Z.D., red.

[Use of radioisotopes for the control of the open-hearth
process] Primenenie radioaktivnykh izotopov dlia kontrolija
domennogo protsessa. Moskva, Atomizdat, 1964. 169 p.
(MIRA 17:5)

GRUZIN, P.L.; ZEMSKIY, S.V.; Prinimala uchastiye: NIKOLAYEVA, N.N.

Effect of carbon and molybdenum on the diffusion mobility of
carbon in steel. Met. i metalloved. chist. met. no.3:225-232
'61. (MIRA 15:6)

1. Moskovskiy inzhenerno-fizicheskiy institut (for Nikolayeva).
(Steel--Metallgraphy) (Diffusion)

S/137/62/000/009/014/033
A006/A101

AUTHORS: Gruzin, P. L., Zemskiy, S. V.

TITLE: The effect of carbon and molybdenum upon diffusion mobility of carbon in steel

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 9, 1962, 15, abstract 9194
(In collection: "Metallurgiya i metalloved. chist. metallov",
no. 3, Moscow, Gosatomizdat, 1961, 225 - 232)

TEXT: Radioactive C¹⁴ isotope was used to investigate the effect of C and Mo upon C diffusion in steel alloyed jointly with Cr and Mn. Specimens of grade XГ 2 (KhG2), XГ2M (KhG2M), 35XГ 2 (35KhG2) and 35XГ2M (35KhG2M) steel were carburized with a mixture of Ba carbonate and carbon. Ba carbonate contained the C¹⁴ isotope. Carburizing was performed in a vacuum or in reducing atmosphere at 1,100°C. To prevent burning out of C, the specimens were covered with an about 0.1 mm thick electrolytic Cu layer. Diffusion annealing was conducted in a vacuum at different temperatures from 4 hours at 700°C to 400 hours at 450°C. Diffusion coefficient D was determined by removal of layers and measurement of

Card 1/2

GRUZIN, P.L.; YEVSTYUKHIN, A.I.; ZEMSKIY, S.V.; NIKISHANOV, V.V.

Investigating the redistribution of sulfur during the zonal melting of chromium in arc furnaces. Met. i metalloved. chist. met. no. 2:276-279 '60. (MIRA 13:12)
(Chromium--Metallography) (Sulfur--Isotopes)

GRUZIN, P.L., doktor fiz.-mat.nauk; BABIKOVA, Yu.F.; BORISOV, Ye.V; ZEMSKIY, S.V.;
PEREGUDOV, N.P.; POLIKARPOV, Yu.A.; TIRKINA, A.N.; FEDOROV, G.B., kand.
tekhn.nauk; SHUMILOV, M.A., kand.tekhn.nauk

Studying the migration of carbon atoms in steels and alloys by means
of the isotope C14. Probl. metalloved. i fiz. met. no.5:327-365 '58.
(Steel--Metallography) (Carbon--Isotopes) (MIRA 11:4)
(Diffusion)